Notice of Allowability	Application No.	Applicant(s)	
	09/836,617	OSADA ET AL.	
	Examiner	Art Unit	
	Pedro J. Cuevas	2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *amendment filed on November 6, 2003*.
2. ☒ The allowed claim(s) is/are *11-14*.
3. ☒ The drawings filed on *17 April 2001* are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
   (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No. ____.
   (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
   (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).
9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1☒ Notice of References Cited (PTO-892)
2☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. 1103
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5☐ Notice of Informal Patent Application (PTO-152)
6☐ Interview Summary (PTO-413), Paper No._____ .
7☐ Examiner's Amendment/Comment
8☒ Examiner's Statement of Reasons for Allowance
9☐ Other .

DETAILED ACTION

Allowable Subject Matter

1. Claims 11-14 are allowed.

The disclosure of Japanese Laid-Open Utility Model 100976/1988 clearly teaches the construction of a rotor for an electric rotary machine comprising:

a rotor yoke having a cylindrical peripheral wall and a bottom wall provided integrally with said peripheral wall so as to dose one axial end of said peripheral wall and having a boss provided at a central portion of said bottom wall for mounting a rotary shaft, and

an inductor forming member having a ring-like portion and inductor magnetic poles formed on an outer surface of said ring-like portion,

said ring-like portion fitted onto an outer surface of said rotor yoke,

said inductor forming member being fixed to said rotor yoke by protrusion means formed on said peripheral wall of said rotor yoke against one and other axial ends of said ring-like portion, respectively.

Richter et al. teach the construction of an arrangement for the transmission of control commands from a stationary part to a rotating part of an electric machine having:

a peripheral wall of said rotor yoke having a first outer peripheral area of first outside diameter, a second outer peripheral area of outside diameter smaller than said first outer peripheral area and a third outer peripheral area of outside diameter smaller than said second outer peripheral area provided sequentially in order in an axial direction of said rotor yoke, and

the ring-like portion of said inductor forming member fitted onto an outer surface of said second outer peripheral area of said rotor yoke,

the inductor forming member being fixed to said rotor yoke by forcing said first peripheral area protruding from said second outer peripheral area in the outwardly radial direction against one axial end of said ring-like portion of said inductor member and forcing a protrusion,

for the purpose of providing an arrangement for the contactless transmission of control commands from a stationary part to a rotating part of an electric machine in which a ring shaped signal receiving member coupled to shaft of the machine has installed therein a plurality of Hall effect generators.

Nakano et al. teach the construction of a brush for a DC motor wherein:

a peripheral wall of said rotor yoke on an outer surface thereof having a plural of protrusions including a first protrusion portion extending in an axial direction of said rotor yoke and a second protrusion portion extending in a circumferential direction of said rotor yoke at one end of said first protrusion portion,

the inductor forming member being fixed to said rotor yoke by forcing said second protrusion portion of each of said protrusions against one axial end of said ring-like portion of said inductor member and by forcing a projection formed by raising other end of said first protrusion portion against other axial end of said ring-like portion,

for the purpose of interposing a rectifying diode between the base of a brush leaf spring and a terminal metal, and inserting the interposed portion between projecting pieces provided on a retaining piece.

2. The following is an examiner's statement of reasons for allowance.

The prior art of record, taken alone or in combination, fails to teach the construction of a rotor for an electric rotary machine as described on independent claim 11, wherein:

an inner surface of said ring-like portion further comprises at least one recess corresponding to each first protrusion portion so that each first protrusion portion is engaged with a corresponding recess; and

at least one protrusion on the outer surface of the peripheral wall, said protrusion including a first protrusion portion extending in an axial direction of said rotor yoke and a second protrusion portion extending in a circumferential direction of said rotor yoke at a first end of said first protrusion portion, said first protrusion portion including a projection extending from a second end of said first protrusion portion; and

said second protrusion portion is located against the first axial end of said ring-like portion and said projection is against the second axial end of the ring-like portion when said ring-like portion is fitted against said peripheral wall of the rotor yoke.

Dependent claims 12-14 are considered allowable by their dependence on allowed independent claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro J. Cuevas whose telephone number is (703) 308-4904. The examiner can normally be reached on M-F from 8:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor R. Ramírez can be reached on (703) 308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Pedro J. Cuevas
January 9, 2004

BURTON S. MULLINS
PRIMARY EXAMINER